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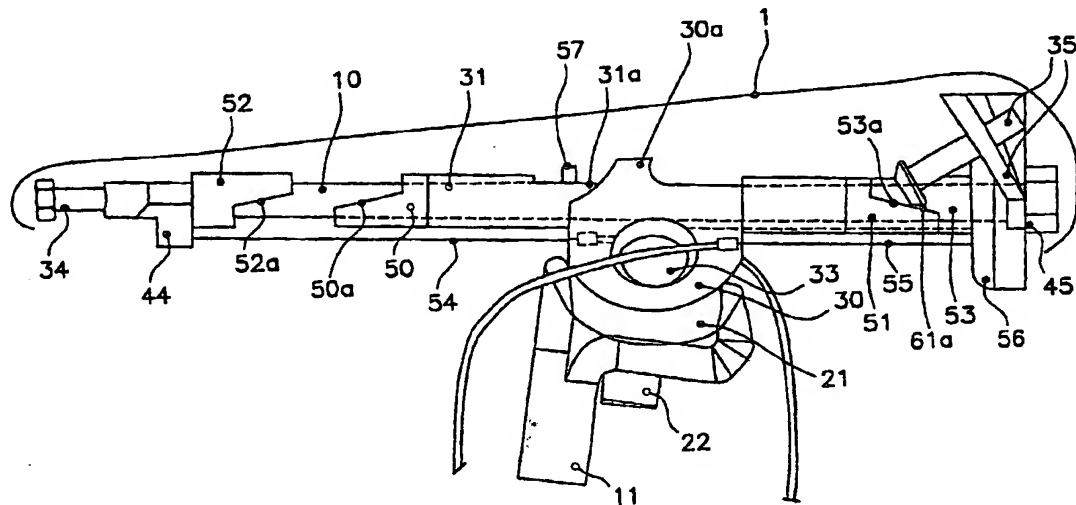
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(54) Title: SEAT FOR A TWO-WHEELED VEHICLE



(57) Abstract: A seat for two-wheeled vehicles, such as bicycles, motorcycles and scooters, comprising a relatively soft saddle support (1) to bear the rider and a supporting structure (2, 3, 4 and 5) of the saddle support by means of which the support is connected to the seat-carrying upright (11) of the vehicle. Between the supporting structure and the upright of the vehicle there is provided a longitudinal pin (10) around whose longitudinal axis the relatively soft support can oscillate, whereas between the pin and the supporting structure there are provided means of blocking the oscillation of said pin. In particular, there are provided means for regulating the amplitude of the oscillation around the axis of the pin.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B62J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 091 016 A (OREN GIDEON ; RABINOVITZ NOAH (IL)) 12 October 1983 (1983-10-12) page 4, line 19 - line 21; figures 1-3	1, 2, 4
A		14
X	US 6 056 356 A (UNGER JR JOSEPH F) 2 May 2000 (2000-05-02) column 3 - column 4; figures 1-6	1, 2, 5
A	US 5 048 891 A (YACH THOMAS L) 17 September 1991 (1991-09-17) column 5 - column 12; figures	1-6, 8
A	FR 2 478 009 A (PERACHE ROBERT) 18 September 1981 (1981-09-18) the whole document	1, 4, 5, 14

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International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 921 624 A (WU CHIN-CHANG) 13 July 1999 (1999-07-13) the whole document	1,2,14
A	AT 41 144 B (TICHY FERDINAND) 25 February 1910 (1910-02-25) the whole document	1,5
A	DE 41 39 284 A (MENZE SEN HEINRICH) 3 June 1993 (1993-06-03) the whole document	1,6
A	GB 516 832 A (DUNLOP RUBBER CO; HENRY FRANCIS RYAN) 12 January 1940 (1940-01-12) the whole document	1

INTERNATIONAL SEARCH REPORT

on patent family members

International Application No.

PCT/JP 03/00440

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0091016	A	12-10-1983	AR 229729 A1	31-10-1983
			AU 1321383 A	13-10-1983
			BR 8301703 A	13-12-1983
			EP 0091016 A2	12-10-1983
			ES 281821 U	16-04-1985
			JP 58180388 A	21-10-1983
			ZA 8301737 A	30-11-1983
US 6056356	A	02-05-2000	AU 745487 B2	21-03-2002
			AU 5772799 A	06-03-2000
			CA 2339754 A1	24-02-2000
			CN 1094445 B	20-11-2002
			EP 1104380 A1	06-06-2001
			JP 2002522297 T	23-07-2002
			WO 0009386 A1	24-02-2000
US 5048891	A	17-09-1991	DE 69031041 D1	14-08-1997
			DE 69031041 T2	19-02-1998
			EP 0498837 A1	19-08-1992
			WO 9106444 A1	16-05-1991
FR 2478009	A	18-09-1981	FR 2478009 A1	18-09-1981
			IT 1141334 B	01-10-1986
US 5921624	A	13-07-1999	NONE	
AT 41144	B	25-02-1910	NONE	
DE 4139284	A	03-06-1993	DE 4139284 A1	03-06-1993
			WO 9311026 A1	10-06-1993
			DE 59202958 D1	24-08-1995
			EP 0569570 A1	18-11-1993
			JP 6506648 T	28-07-1994
GB 516832	A	12-01-1940	NONE	